

## ABSTRACT

A digital camera has an image sensor, a capture trigger, a processing system, and a capture buffer having multiple buffer locations. When the capture trigger is activated, a corresponding image frame is received by the processing system from the image sensor and stored in an available buffer location. Image processing is performed on the image frame. The buffer location is unavailable for storage of other image data until the image processing is complete. Auxiliary Image frames are stored in the remaining buffer locations not designated as unavailable.